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CENTRAL INTELLIGENCE AGENCY
WASHINGTON 25, D. C.

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6 DEC 1961

MEMORANDUM FOR: The Director, Defense Intelligence Agency

SUBJECT : ARTILLERY COLLECTION: "An Exercise to be Carried out by an Independent Engineer Battalion in an Offensive Operation by an Army in the Initial Stage of a War"

1. Enclosed is a verbatim translation of an article which appeared in Issue 49, 1959 of a Soviet Ministry of Defense TOP SECRET publication called Information Collection of the Artillery (Informatsionnyy Sbornik Artillerii).

2. We request that this material be handled on a need-to-know basis within your office. Requests for extra copies of this report or for utilization of any part of this document in any other form should be addressed to the originating office.

FOR THE DEPUTY DIRECTOR, PLANS:

[redacted]

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Richard Helms

RICHARD HELMS

Enclosure

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cc: Military Assistant to the President

Special Assistant to the President for
National Security Affairs

Assistant to the Secretary of Defense

Director for Intelligence
The Joint Staff

Assistant Chief of Staff, Intelligence
Headquarters, U. S. Air Force

Assistant Chief of Staff for Intelligence
Department of the Army

Director of Naval Intelligence
Department of the Navy

Director, National Security Agency

The Director of Intelligence and Research
Department of State

Director, Division of Intelligence
Atomic Energy Commission

Chairman, Guided Missiles and Astronautics
Intelligence Committee

Deputy Director for Intelligence

Assistant Director for National Estimates

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COUNTRY : USSR

SUBJECT : ARTILLERY COLLECTION: "An Exercise to be Carried out by an Independent Engineer Battalion in an Offensive Operation by an Army in the Initial Stage of a War"

DATE OF INFO: Summer 1959

APPRAISAL OF CONTENT : Documentary

SOURCE : A reliable source (B).

Following is a verbatim translation of an article titled "An Exercise to be Carried out by an Independent Engineer Battalion in an Offensive Operation by an Army in the Initial Stage of a War" which appeared in Issue No. 49, 1959 of the Soviet military publication Information Collection of the Artillery. This publication is classified TOP SECRET by the Soviets. The preface to this publication was disseminated in [redacted] 50X1-HUM

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"I Approve"

Commander of Artillery

(rank, signature)

Top Secret

Copy No.

The Task of Carrying Out a Tactical Exercise

on the Theme:

"The Actions of an Independent Engineer Battalion in an Offensive Operation of an Army in the Initial Phase of a War"

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Map: 200,000 N-32-IV-VI; X-XII; XVI-XVIII; XXII-XXIV; XXVIII-XXX; XXXVII-XXXVIII; N-33-I-XXX

I

1. On the night of 16/17 July "the Western forces", after the delivery of atomic strikes, crossed the state frontier on a front Dargun, Malchin, Rechlin, Neustadt, Rathenow and by 3.30 had advanced in different directions up to 8-10 kms.

2. "The Eastern forces", having received information in the beginning of July about the preparation of "the Western forces" for military action, began to deploy their troops with the objects of repelling the enemy strike and of subsequently destroying their forces, in readiness to go over to the offensive by the end of 19 July (k iskhody 19.7). On the night of 16/17 July "the Eastern forces" delivered a counter-strike with aircraft and artillery by which the force of the "Western" initial strike was significantly weakened. Border units and covering troops are fighting stubborn battles with superior enemy forces.

II

1. The 1st Independent Engineer Battalion has come under the command of the 2nd Western Front and after unloading at "Kozy" Railway Station by 3.30 on 17 July has concentrated in the woods east of Dobrzany. The battalion is provided with personnel and equipment in accordance with what is available, and has four 8A61 missiles with nose cones (golovnaya chast') and two 8K11 missiles. The missiles have not been checked and are not fueled with special fuel.

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By order of the commander of troops of the 2nd Western Front, the battalion is attached to the 3rd Army.

At 3.30 on 17 July a senior officer of Artillery Headquarters, 3rd Army, arrived at the headquarters of the 1st Battalion, and gave the battalion commander the following information on the situation and task:

1) On the night of 16/17 July the enemy commenced military operations and at 3.00 on 17 July, overcoming the resistance of covering units, advanced in an easterly direction for 10 kms. From the beginning of military operations the enemy has been using atomic weapons and combat radioactive substances (boyevoye radioaktivnoye veshchestvo).

2) The 3rd Army troops have the task of halting the advance of"the Western forces", of inflicting defeat on the enemy striking group, of going over to the offensive without delay, of carrying the military operations over to the territory of "the Western forces", and of completing their destruction there. The line of deployment of the main forces of the army for going over to the offensive is Jarmen, Neubrandenburg, Oranienburg.

3) The tasks of the battalion:

- to cover the deployment of the troops of the army for the offensive, to be ready with one battery from temporary positions, to destroy the means of atomic attack and other important enemy objectives:

-to prepare for the disruption of the operation of the Schwerin Railway Station (Target No.48), the port of Hamburg (Target No.49), and the Uelzen Railway Station (Target No.55).

Time to be ready for opening fire - 16.00 on 18 July.

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2. Part of the 1st Section of the 8th Geodetic Detachment (three instruments) is being attached to the battalion by the end of 19 July. The group commander with personnel and instruments will be at the disposal of the 1st Battalion by 4.30 on 17 July. The preparation of the special charges and assembly of the nose cones of 8K11 missiles for the battalion devolves on the Mobile Repair-Technical Base (PRTB).

3. For carrying out the tasks during the course of the operation, ten 8K11 missiles and sixty 8A61 missiles are issued to the battalion from the morning of 18 July to 23 July, and also special fuel for 76 missiles. Times of arrival (postupleniye) of the special warheads at the Mobile Repair-Technical Base:

8.00 17 July - two charges of 30 kt

19.00 17 July - two charges of 60 kt and one charge of 40 kt

6.00 18 July - one charge of 100 kt and one charge of 200 kt

5.00 19 July - one charge of 80 kt

14.00 20 July - one charge of 150 kt

21.00 21 July - one charge of 100 kt

4. The siting area (pozitsionnyy rayon) of the battalion - (environs) (isk) Schoenhausen, (env.) Torgelow, (env.) Pasewalk.

5. During the course of the offensive it is planned for the battalion to move twice: first move to the area (env.) Pritzwalk, Garz, (env.) Blumenthal ready to fire from this area with the movement of troops to the line Ludwigslust, Bismarck, and the second move to the area (env.) Melbeck, Wriedel, Bevensen ready to fire with the movement of troops

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to the line (env.) Hamburg, Soltau, Celle. For increasing the depth of destruction of enemy objectives with 8K11 missiles and for assuring continuity of support of the troops of the army provision is to be made for the move of one launch (startovaya) battery with two 8K11 missiles to the areas southeast of Strelitz (ready to deliver fire at the time of the movement of troops to the line Teterow, Wittstock, Rhinow) and northwest of Lenzen; ready for delivering fire at the time of the movement of troops to the line Luebeck, Boizenburg, Wittingen.

Route of movement - Strasburg, Strelitz, Wittstock, Dannenwalde.

6. The supply of the battalion with special armament is organized in the initial position from Stobno Station (8 kms southwest of Szczecin) during the course of the offensive - from Buschhof Station (10 kms southwest of Mirow) and from Carwitz Station (5 kms West of Dannenberg). Supplying with special fuel in the initial position - from Dobra Station (13 kms northwest of Szczecin) during the course of the offensive - from the special fuel section (OSG) dumps in the area of Wallitz (6 kms south of Zechlin and Sallahn (10 kms south of Dannenberg). The plan for bringing up transport and the times for receiving special armament and special fuel will be communicated to the battalion by the end of 17 July (k iskhodu 17.7).

7. Antiaircraft artillery and fighter aircraft cover for the battalion in the concentration area, on the march, and in siting areas is provided in accordance with the plan of PVO of the troops of the army.

8. Signals of the danger of air attack ("Vozdukh") and of the danger of atomic attack ("Shtorm") are transmitted on the 3rd Army warning network on wavelength....

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9. The command post of the 3rd Army from 4.00 17 July is on Hill 102 (12 kms south of Menz).

III

1. The PRTB is deployed in the woods 5 kms southwest of Torgelow and is ready for checking and assembly of special charges and nose cones for the 8K11 missiles.

2. A catalogue of points of the state geodetic network in the siting areas allotted to the battalion, is sent to the battalion headquarters with the group commander of the 1st Section of the 8th Geodetic Detachment.

To be carried out: The commander of the 1st battalion is to prepare an order by 5.00 for the deployment of the battalion and for preparing to carry out the combat task.

Director of the exercise _____

rank, signature

Chief of the Directing Staff _____

rank, signature

Plan for Carrying out the Exercise

In the recommended variant for working out the tactical exercise a graphic plan is given for conducting the exercise. In order to curtail the accompanying plan, several questions are not given in detail (The plan of the organization of the commandant's service, 50X1-HUM

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the scheme of neutral communications, the list of equipment allotted to the command of the directing staff, and others).

The directing staff working out the exercise must have attached to the plan examples and the complete contents of all combat and introductory documents handed to participants in the exercise, with an indication of the nature of actions of enemy and friendly troops, designation, extent, and nature of operations for the neutralization of objectives, and also the procedure for determining the effects of the fire of the unit (large unit).

The contents of the introductory documents and the possible solutions in our version are given briefly, in order to show their main substance or the concept of the solution. Only the list of umpires and organizational instructions is taken out from the attachments.

1. The List of Umpires on the Exercise

The umpire attached to the battalion commander - Commander of the 2nd Engineer Battalion.

The umpire attached to the battalion headquarters - Chief of Staff of the 3rd Engineer Battalion.

The umpire attached to the service of special armament - Deputy Commander of the 2nd Engineer Battalion for Special Armament.

Umpires attached to battery commanders:

1st Launch Battery - the Commander of the 2nd Launch Battery of the 2nd Battalion;

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2nd Launch Battery - the Commander of the 3rd Launch Battery of the 2nd Battalion;

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3rd Launch Battery - the Commander of the 3rd Launch Battery of the 3rd Battalion;

The Technical Battery - the Commander of the Technical Battery of the 3rd Battalion;

The Transport and Fueling Battery - the Commander of the Transport Battery of the 2nd Battalion.

The umpire attached to the Data Computing Section (otdeleniye podgotovki dannykh) (OPD) - the Chief (nachalnik) of the OPD of the 2nd Battalion.

The umpire attached to the Mobile Artillery-Meteorological Station (PAMS) - the Chief of the PAMS of the 3rd Battalion.

The umpire attached to the Geodetic Support Platoon - the Engineer-Geodesist of the 3rd Battalion.

Reserve: The Deputy Chief of Staff of the 2nd Battalion, the Commander of the 1st Launch Battery of the 3rd Battalion, the Assistant Deputy Commander of the 3rd Battalion for Special Armament (used on the march at control points).

For keeping records in the period from 2.00 on 18 July to 10.00 on 19 July, section chiefs (nachalnik) and battery officers of the 2nd and 3rd Battalions are detailed to help the umpires attached to commanders of batteries, according to the list of the assistant director (rukovoditel) for special armament.

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2. Organizational Instructions for Carrying out the Exercise

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The battalion exercise is to begin with placing the battalion on the alert. The tactical task is to be delivered to the battalion commander in the assembly area at 3.30 on 17 July.

The battalion commander's decision and order are to be heard at 5.00 on 17 July.

Approximate (oriyentirovochnyy) time of departure of the reconnoitering (rekognostsirovochnyy) group is 6.00 - 6.30 on 17 July. The time of departure of the battalion from the concentration area for occupying the siting area is 20.30 on 17 July.

An excerpt from the plan for bringing up the echelons and data on the time of issue of special fuel are to be handed to the battalion commander at 20.00 on 17 July. The tasks of the battalion for the artillery preparation of the offensive, in the form of battle orders of the artillery headquarters of the 3rd Army, attaching the launch table (grafik puska) are to be communicated at 19.30 on 18 July.

The remaining tasks to be communicated: unscheduled - by radio in code, scheduled - by army artillery staff officer.

Battalion actions to be carried out in the three siting areas: northwest of Pasewalk, southeast of Strelitz, south of Pritzwalk.

Operational time from 17 July to 12.00 on 21 July.

From 12.00 on 21 July to 15.00 on 22 July exercise problems are to be worked out from the last occupied position, without moving the battalion.

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End of exercise - 15.30 on 22 July.

Return to the dispersal area - toward the end of 23 July.

Exercise critique - 17.00 on 24 July.

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Duration of the exercise
- beginning 2.00 17 July
- end 15.30 22 July
Critique of the exercise 17.00-19 (?)
Training purposes of the exercise:
- to test the "hard missing" of the battalion and its sub-units in readiness for combat action in the initial phase of war
- to train the personnel of the battalion in actions when executing a march, deployment in battle formation and when preparing to fire in short periods of time;
- to perfect the skill of commanders of the battalion and sub-units in the control of sub-units on the march, in deployment into battle formation and when preparing to fire in short periods of time;
- to perfect the skill of battalion staff officers in controlling the battalion during the course of carrying out a combat task.

PHASE 1. THE MARCH AND DEPLOYMENT OF THE BATTALION

Time		Training Problems	Documents handed over (contents of introductory documents)	Fire tasks and expenditure of missiles	Actions	
Sidereal	Operational				of the Director and Umpires	of the participants
2.00 17.7	-	1. The movement of the battalion to assembly area 2. Reconnoitering and preparing the route and the siting area.	Declaration of an alert Tactical task		They declare an alert through the duty officer They hand over the task and listen to the solution of the battalion commander.	They lead the sub-units out into the assembly area. They make a decision and send out reconnoitering groups. After reconnoitering the return to the concentration area.
3.30 17.7 16.00 18.7	3.30 17.7 16.00 18.7					

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20.30 17.7 16.00 18.7	3.The march of the battalion and taking up of battle formation					They control sub-units on the march and on deployment. They organize and carry out technical preparation of missiles for firing. They bring up missiles and special fuel from the unloading station. One launching battery occupies a temporary site, the others - the main siting area. They plan the battle actions of the battalion, pass on the tasks to subordinates, and supervise the preparation of sub-units for carrying out battle tasks.
5.00 17.7	4. Planning the battle employment of the battalion a) The planning of topogeodetic and meteorological support, reconnoitering, and march of the battalion.	Tactical task, catalogue of GSS geodetic points.	In readiness on targets Nos. 48, 49, and 55	They check readiness of sub-units for the march, their actions on the march, and on deployment. They examine the technical and launch batteries.	They hand over battle documents. They check the work of the staff and pass on tasks to sub-ordinates.	
20.00 17.7	b)Planning the bringing up of special armament and special fuel, preparation of missiles for firing.	Extract from the plan of bringing up echelons and times of issue of special fuel. Army artillery headquarters battle orders with table of launching.				
19.30 18.7	c) Planning battalion fire.					
20.30 17.7 16.00 18.7						
5.00 17.7						
20.00 17.7						
19.30 18.7						

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PHASE II. FIRE AND MANEUVER CONTROL OF THE BATTALION IN DEPLOYMENT [illegible] 3rd ARMY TROOPS AND CARRYING OUT THE IMMEDIATE TASK

Time		Training Problems	Documents handed over (contents of introductory documents)	Fire tasks and expenditure of missiles	Actions	
Bilateral	Operational				of the Director and Umpires	of the participants
17.30 23.15 18.6 (etc)	17.30 23.15 18.6 (etc)	1. Fire control of the battalion on deployment of 3rd Army troops 2. Fire control of the battalion in carrying out the immediate task: a) In the period of artillery preparation of the offensive and during the course of the operation (scheduled tasks); b) Destruction of unscheduled targets - unloading stations. c) Destruction of the means of atomic attack. 3. Control of the maneuver of the battalion; a) The move of one launch battery;	Order of the commander of army artillery (by radio) on the destruction of targets (at 17.30, target No. 40, at 23.15 No.45) Battle order of the commander of army artillery (delivered earlier - at 19.30 on 18.7) Order of the commander of army artillery by radio. Order by radio. Introductory document on the position of 3rd Army troops.	Target No. 40- 8K11 30 kt Target No. 45- 8K11 40 kt Target No. 51- 8K11 (100 kt) Target No. 52 8K11 (60 kt) Target No. 66- 8A61 (12 items) Target No. 100- 8A61 - 4 items Target No. 111- 8K11 (90 kt)	They formulate and transmit orders. They check the readiness of the battalion for delivering fire from primary positions. They transmit orders. They transmit orders. They report on the capture by 3rd Army of area No. 2 and check the preparation of the area, the movement forward of one launch battery and its supply with missiles.	They organize the preparation of of fire of launch batteries from temporary positions and report on readiness. They organize the maneuver of the launch batteries from temporary to primary positions and preparation of the battalion for carrying out tasks. They report on readiness. They determine, in detail, the tasks of the launch batteries and plan the destruction of Target No. 100. They call upon the launch battery that has moved for destruction of the target. They organize reconnoitering and preparation of area No. 2, move forward from 20.30 19.7 one launch battery, with 8K11 missiles to area No. 2, and check its readiness.

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13.00 20.7	b) The move of the main body of the battalion.		
	Introductory document on the position of 3rd Army troops and of the enemy.	Director of the Tactical Exercise Commander of the Engineer Brigade Chief of Staff of the Exercise	
	21. In relation to area No. 3. They check the move of the battalion and its readiness for launching at 0.00 21.7.	(rank, signature) (rank, signature)	They organize reconnoitering and preparation of area No. 3 from 20.30, and move the battalion to area No. 3.

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PHASE III. FIRE AND MANEUVER CONTROL OF THE BATTALION IN THE CARRYING OUT OF THE FOLLOW-UP TASK BY TROOPS OF THE 3rd ARMY

Time		Training Problems	Documents handed over (contents of introductory documents)	Fire tasks and expenditure of missiles	Actions	
Bilateral	Operational				of the Director and Umpires	of the participants
5.00 21.7	5.00 21.7	1. Fire control of the battalion: a) Carrying out of scheduled tasks: neutralisation of the part and unloading station; b) Carrying out of unscheduled tasks: the destruction of the special ammunition dump	The battle order of the commander of army artillery. Readiness for delivery of fire, 8.00 on 21.7. The order of the commander of army artillery (by radio)	Target No. 65-9M51 (12 items) Target No. 66-BM61 (12 items) in readiness on Targets Nos. 67, 69, 70 Target No. 102 - 8M11 (150 kt)	They despatch the battle order. They check the deployment of the battalion in area No. 3 and its preparation for carrying out tasks. They transmit the order, check [one line missing]	They organise the preparation of the battalion in area No. 3. They plan delivery of fire on Targets Nos. 65 and 66 and the preparation of missiles. They report on readiness to carry out tasks. They specify, in detail, the order of fire according to plan [one line missing] Target No. 102 with one launch battery. They exclude Target No. 66 from the tasks of the battalion. They plan and organise destruction of Target No. 67. They specify the details of firing procedure, on Targets Nos. 65 and 67. They organise the preparation of two launch batteries for the destruction of Target No. 103.
22.00 22.7	22.00 21.7		Reserve ammunition.	Target No. 67 - 9M51 (15 items)		
3.00 22.7	3.00 22.7	neutralisation of the part	Order of the commander of army artillery (include Target No. 66 from tasks of the independent engineer battalion (OIB))	Target No. 103-8M11 (40 and 100 kt)	They despatch battle orders with instruction for 3rd Army to go over to the pursuit and for the move of the battalion to area No. 5 with readiness, by 7.00 on 24.7	They plan and organise reconnoitering and preparation of area No. 5 and also set the sub-units ready for the march.
10.00 22.7	8.00 23.7	the destruction of reserves.	Order			
13.00 22.7	12.00 23.7	2. Control of maneuver of the battalion/reorganisation and move of the battalion to area No. 5	Battle order of the commander of army artillery.			

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				They organize the march of the battalion to the dispersal area.
				They root the introductory document and check the preparation of the battalion for the march.
			Introductory document on the cessation of enemy resistance and concentration of the battalion in the dispersal area.	
	Cease fire			
		20.00		
		17.30		

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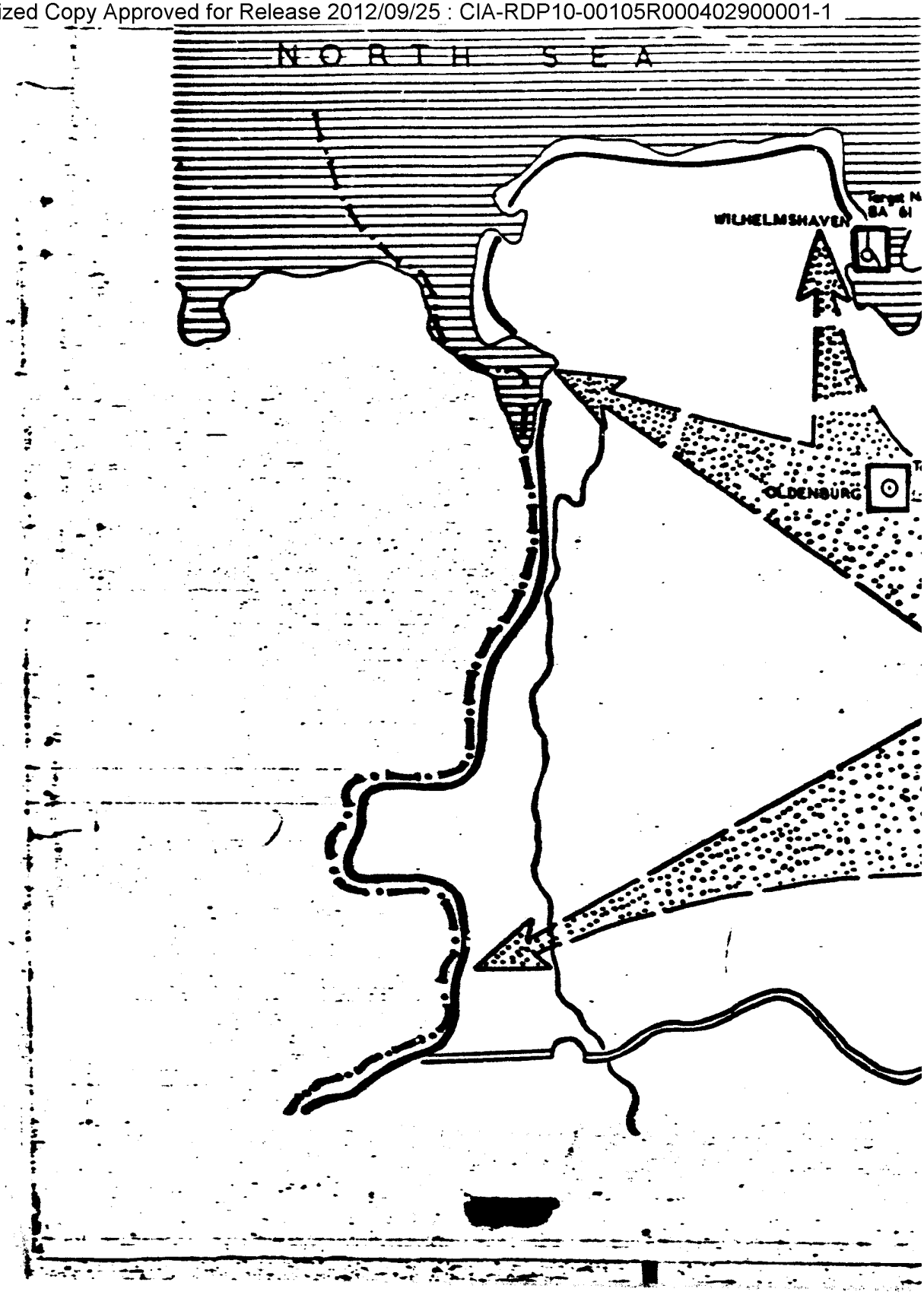

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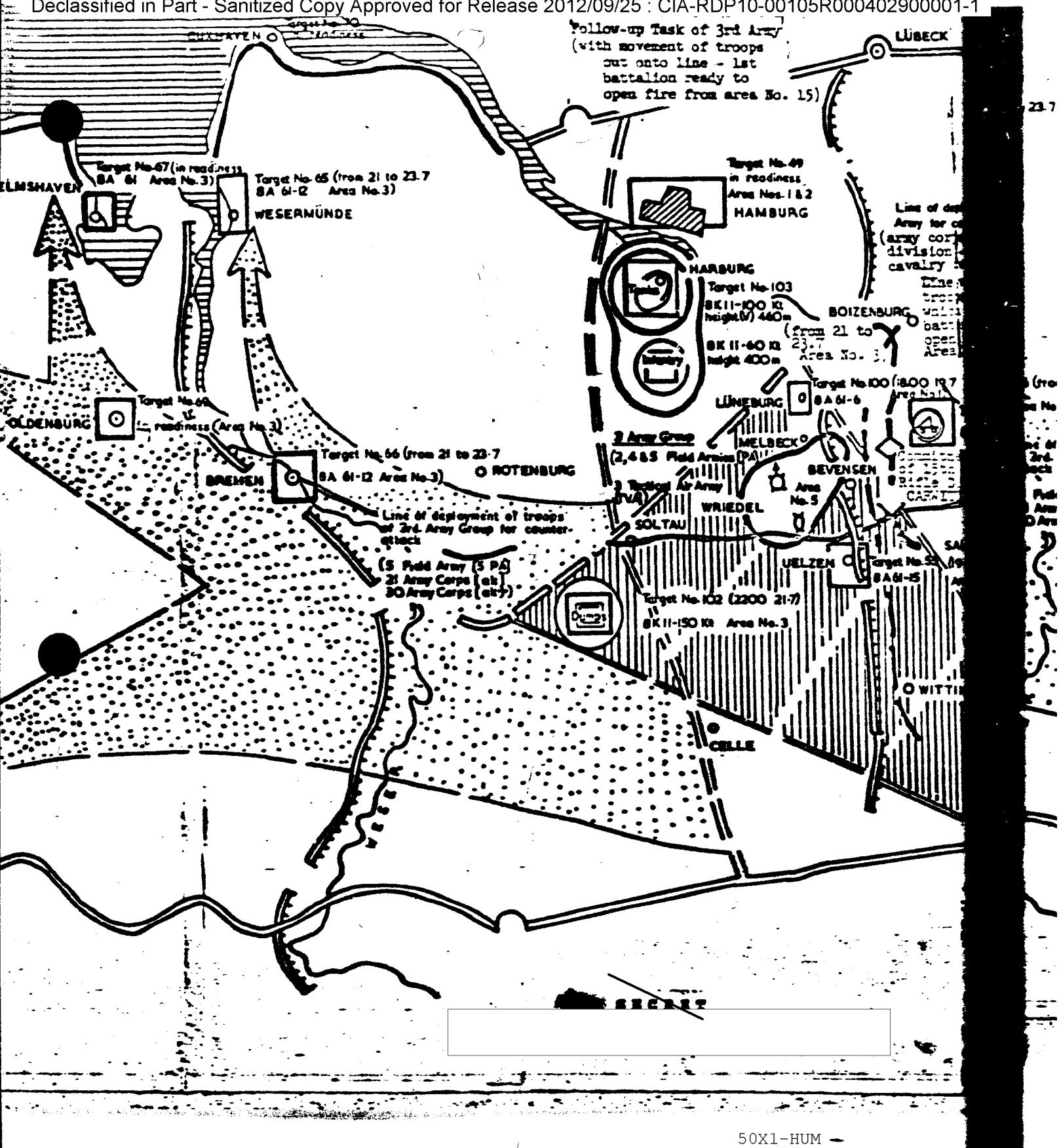

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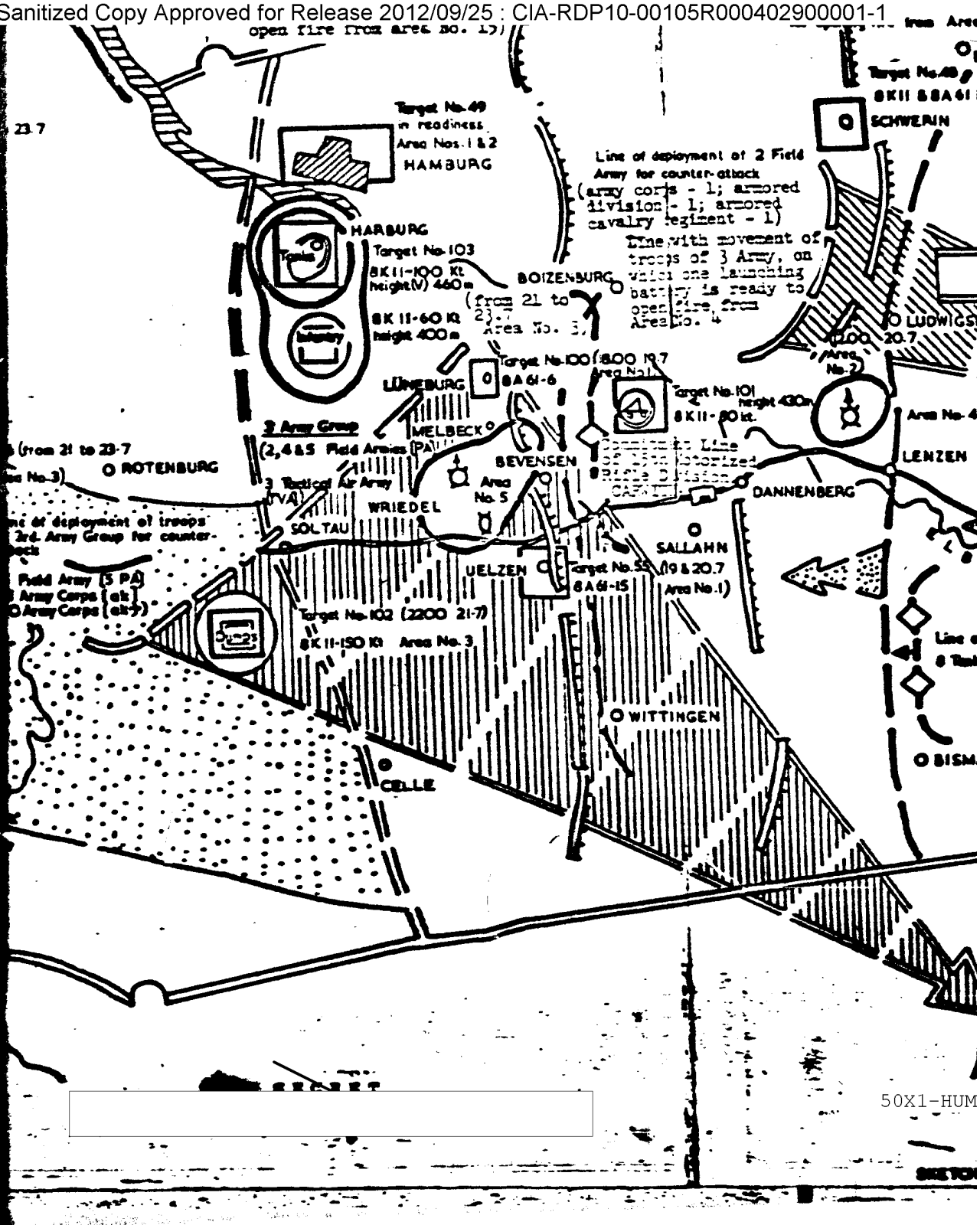

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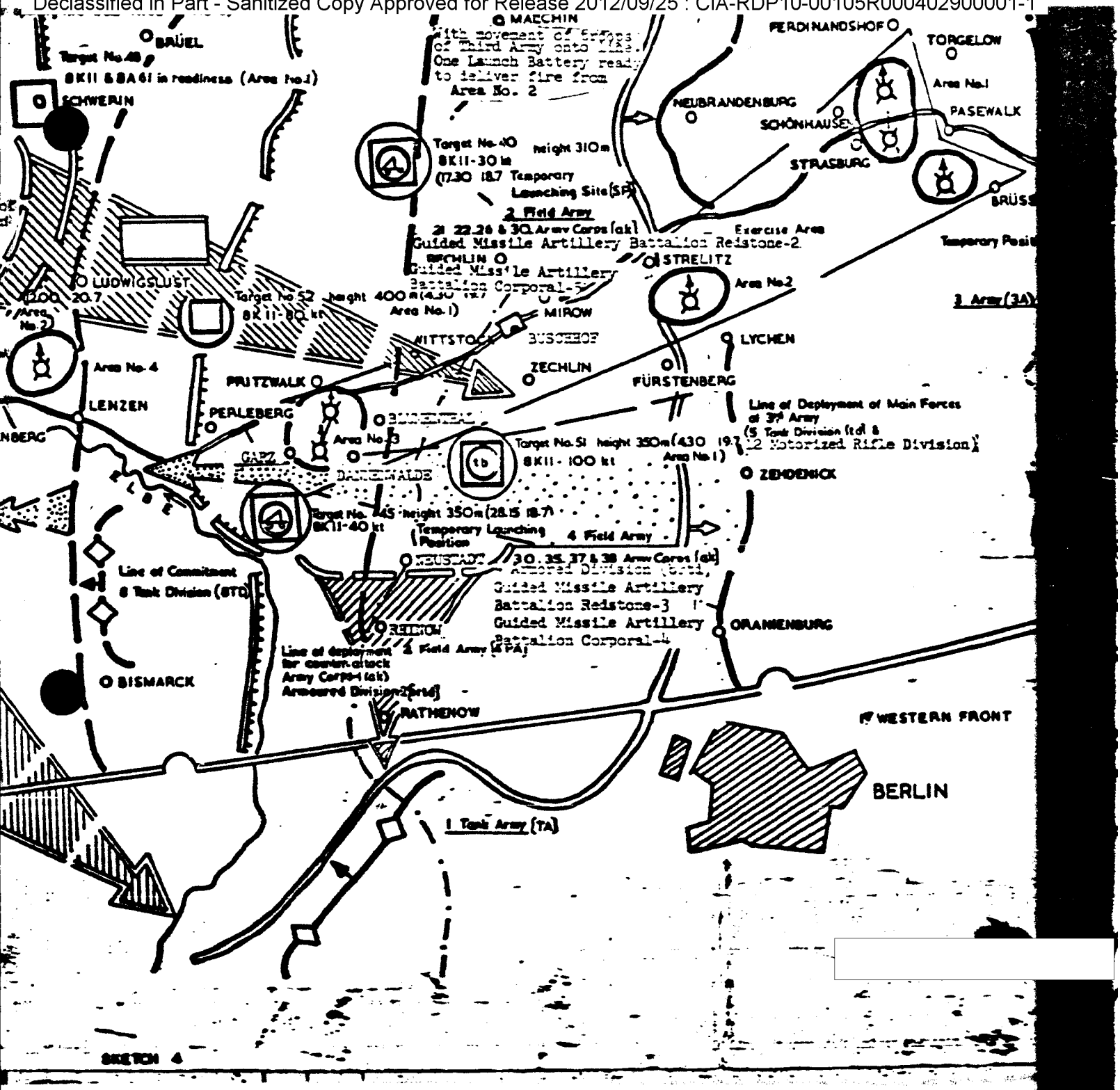

SKETCH 4

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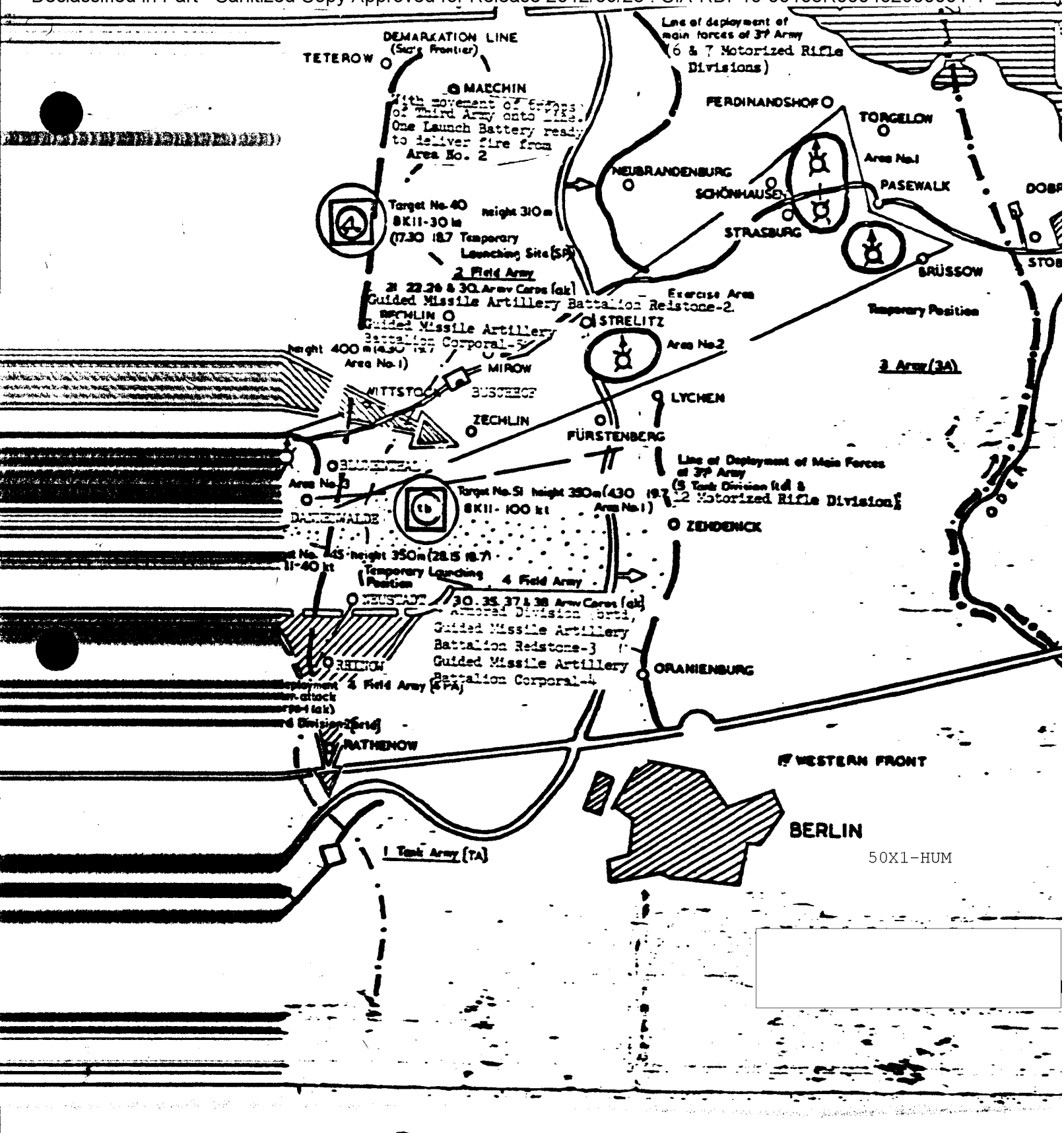

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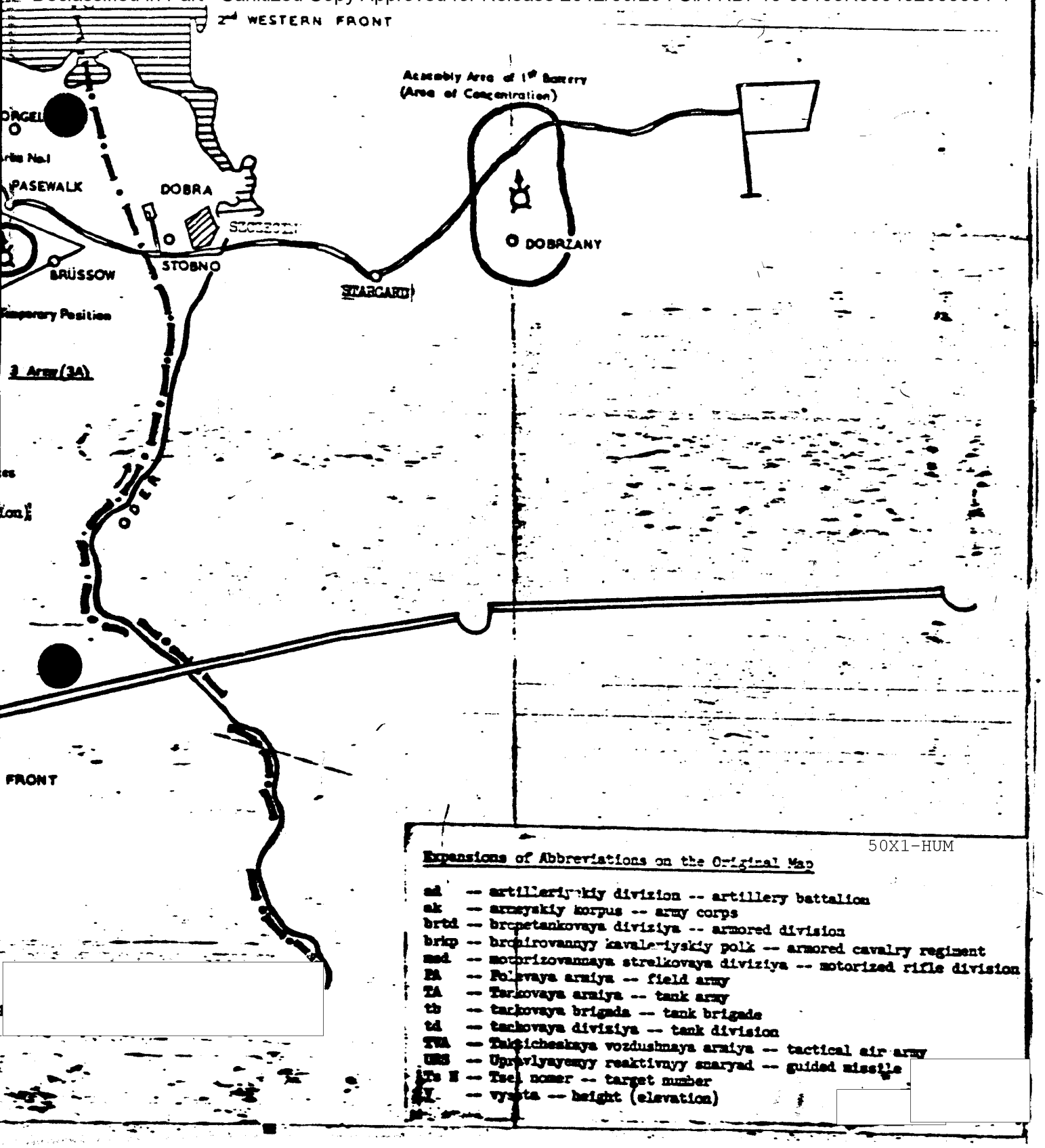

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Expansions of Abbreviations on the Original Map

ad	-- artilleriyskiy divizion -- artillery battalion
ak	-- armeyskiy korpus -- army corps
brtd	-- bronetankovaya diviziya -- armored division
brkp	-- bronirovannyy kavaleriyskiy polk -- armored cavalry regiment
msd	-- motorizovannaya strelkovaya diviziya -- motorized rifle division
PA	-- Polevaya armiya -- field army
TA	-- Tankovaya armiya -- tank army
tb	-- tankovaya brigada -- tank brigade
td	-- tankovaya diviziya -- tank division
TVA	-- Taktichesakaya vozdushnaya armiya -- tactical air army
URS	-- Upravlyayemyy reaktivnyy snaryad -- guided missile
Ts N	-- Tsel nomer -- target number
V	-- vysota -- height (elevation)

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